5/8-Port 10/100/1000Mbps

Gigabit Ethernet Switch

GSD-Series

User's Manual

1. Package Contents

Check the contents of your package for following parts:

- Gigabit Ethernet Switch x 1
- User's manual x 1
- Power adapter x 1
- Rubber feet x 4

If any of these are missing or damaged, please contact your dealer immediately, if possible, retain the carton including the original packing material, and use them against to repack the product in case there is a need to return it to us for repair.

2. Product Features

- Comply with IEEE 802.3, 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T
- 5/8-Port 10/100/1000Mbps Gigabit Ethernet ports
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- Hardware based 10/100Mbps, half / full duplex and 1000Mbps full duplex mode, flow control and auto-negotiation
- IEEE 802.3x flow control for full duplex operation and Back pressure for half duplex operation
- Integrated address look-up engine, support 4K absolute MAC addresses
- Automatic address learning and address aging
- Supports Auto MDI/MDI-X function
- Support CSMA/CD protocol

3. Switch Front Panel

Figure 1-1 & 1-2 & 1-3 & 1-4 shows a front panel of GSD-503 / GSD-504 / GSD-803 / GSD-804.

Figure 3-1 GSD-503 front panel

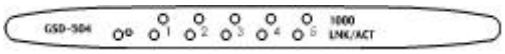

Figure 3-2 GSD-504 front panel

Figure 3-3 GSD-803 front panel

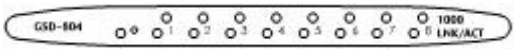

Figure 3-4 GSD-804 front panel

4. LED Indicators

LED	Color	Function
PWR	Green	Lights to indicate that the Switch is powered on.
1000	Green	Lit: indicate that the port is operating at 1000Mbps. Off: indicate that the port is operating at 10Mbps or 100Mbps.
LNK/ACT	Green	Lit: indicate the link through that port is successfully established. Blinks to indicate that the Switch is actively sending or receiving data over that port.

5. Switch Rear Panel

Figure 1-5 & 1-6 & 1-7 & 1-8 shows a rear panel of GSD-503 / GSD-504 / GSD-803 / GSD-804.

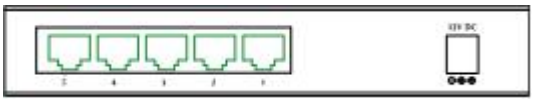

Figure 5-1 GSD-503 rear panel

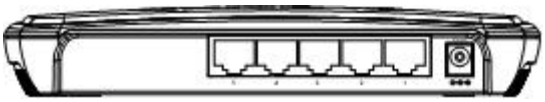

Figure 5-2 GSD-504 rear pane

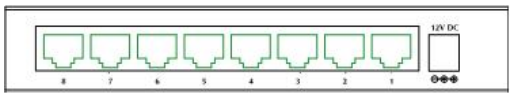

Figure 5-3 GSD-803 rear panel

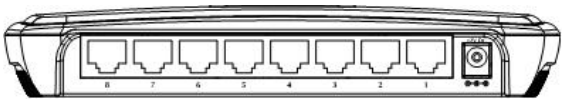

Figure 5-1 GSD-804 rear panel

Power Notice:

1. The device is a power-required device, it means, it will not work till it is powered. If your networks should active all the time, please consider using UPS (Uninterrupted Power Supply) for your device. It will prevent you from network data loss or network downtime.

2. In some area, installing a surge suppression device may also help to protect your Switch from being damaged by unregulated surge or current to the Switch or the power adapter.

6. Installing the Switch

This part describes how to install your Gigabit Ethernet Switch and make connections to it. Please read the following topics and perform the procedures in the order being presented.

Note: This Switch does not need software configuration.

Desktop Installation

To install the Switch on desktop, simply follow the next steps:

Step 1: Attach the rubber feet to the recessed areas on the bottom of the Switch.

Step 2: Place the Switch on desktop near an AC power source.

Step 3: Keep enough ventilation space between the Switch and the surrounding objects.

Note: When choosing a location, please keep in mind the environmental restrictions discussed in Product Specifications.

Step 4: Connect your Switch to network devices.

A. Connect one end of a standard network cable to the 10/100/1000 RJ-45 ports on the rear panel of the Switch.

B. Connect the other end of the cable to the network devices such as printer servers, workstations or routers…etc.

Step 5: Supply power to the Switch

A. Connect one end of the power cable to the Switch

B. Connect the 12V DC power adapter to a standard wall outlet

When the Switch receives power, the Power LED should remain solid Green

7. Product Specifications

Product	GSD-503	GSD-504	GSD-803	GSD-804
Hardware Specification				
10/100/1000Base-T Ports	5 Auto MDI/MDIX ports		8 Auto MDI/MDIX ports	
Dimensions (mm)	155 x 86 x 26	176 x 106 x 30	155 x 86 x 26	176 x 106 x 30
Weight (kg)	0.36	0.16	0.39	0.21
Power Requirement	External power adapter 12V 1A			
Power Consumption / Dissipation	5.4 watts / 18 BTU		8.1 watts / 27 BTU	
Switch Specification				
Switch Processing Scheme	Store-and-Forward			
Address Table	4K entries			
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex			
Switch fabric	10Gbps		16Gbps	
Throughput (packet per second)	7.44Mpps		11.9Mpps	
Jumbo packet size	9K			
Standards Conformance				
Standards Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab(Gigabit Ethernet) IEEE 802.3x (Full-duplex flow control)			
Temperature	Operating: 0~50 degree C Storage: -40~70 degree C			
Humidity Operating	Operating: 5% to 90%, Storage: 5% to 90% (Non-condensing)			
Regulation Compliance	FCC Part 15 Class A, CE			

8. Customer Support

Thank you for purchase PLANET products. You can browse our online FAQ resource at the PLANET Website first to check if it could solve you issue. If you need more support information, please contact PLANET switch support team.

PLANET online FAQ :

http://www.planet.com.tw/en/support/faq.php?type=1

Switch support team mail address :

support_switch@planet.com.tw

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